



Attorney Docket No.: SP01-317

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Qi et al

Serial No: 10/015,128

Group Art Unit: 2874

Filing Date: 12/11/2001

Examiner: Sarah Song

Title: Dispersion And Dispersion Slope
Compensating Fiber and Optical
Transmission System

AFFIDAVIT

STATE OF NEW YORK:
COUNTY OF STEUBEN:

AFFIDAVIT CONCERNING DATA IN US 2002/0154877

I, Ming-Jun Li being duly sworn, deposes and states the following:

1. I am a research associate employed at Corning Incorporated in the optical fiber area and an inventor in co-pending application 2002/0154877.

2. I prepared Fig. 9 in application 2002/0154877. Curve 26 of Fig. 9 is based on a curve fit of actual test data over a narrow wavelength range (approx. 1528 nm-1570 nm). The portions of curve 26 in Fig. 9 between 1570 nm and 1620 nm were generated by extrapolating the actual test data from 1528 to 1570 nm.

3. In particular, the data shown in curve 26 of Fig. 9 (from 1570 nm and 1620 nm) is a modeled linear extrapolation from the data. The data shown in Fig. 9 from 1570 nm to 1620 nm does not represent actual data. In fact, it was recently brought to my attention that actual test data for the fiber of Fig. 8 (as shown in Attachment "A") illustrates the dispersion from 1570 nm to 1620 nm is nonlinear. In particular, the data from 1550 nm to 1610 nm is quite nonlinear.

4. Further, the maximum dispersion variation 95 is about 30 ps/nm/km in the range from 1550 nm to 1610 nm as measured from the chord 94 to the dispersion plot 92 (See Attachment "A").

WHEREFORE, I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, and any patent to which this declaration is directed.



Ming-Jun Li

Sworn to before me this
17th day of May, 2003



Michelle M. Proctor
Notary Public

Michelle M. Proctor
Notary Public, State of New York
Steuben County No. 4911462
Commission Expires Nov. 9, 2005

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